

District of Columbia

Fire and Emergency Medical Services Department



FY 2019 EMS CQI Patient Case Review Measures

PAGE	MEASURE	MEASURE DESCRIPTION
2	Cardiac Arrest	EMS CQI Review Tables (Monthly)
2	Cardiac Arrest	EMS CQI Review Tables (Quarterly)
3	STEMI	EMS CQI Review Tables (Monthly)
3	STEMI	EMS CQI Review Tables (Quarterly)
4	Stroke/CVA	EMS CQI Review Tables (Monthly)
4	Stroke/CVA	EMS CQI Review Tables (Quarterly)
5	Trauma	EMS CQI Review Tables (Monthly)
5	Trauma	EMS CQI Review Tables (Quarterly)
6	Cardiac Arrest	Required Elements Chart
7	Cardiac Arrest	Completed Required Elements Chart
8	STEMI	Required Elements Chart
9	STEMI	Completed Required Elements Chart
10	Stroke/CVA	Required Elements Chart
11	Stroke/CVA	Completed Required Elements Chart
12	Trauma	Required Elements Chart
13	Trauma	Completed Required Elements Chart

District of Columbia Fire and EMS Department
 FY 2019 EMS CQI Case Review (Cardiac Arrest Patients)

Cardiac Arrest (FY 2019) Measure	OCT 2018	NOV 2018	DEC 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	FYE 2019
Number of Identified Cases Reviewed	50	64	93	78	77	75	61	73	74	64	76	69	854
Appropriate Incident Scene Resuscitation Time	50	64	93	78	77	75	61	73	74	64	76	69	854
ETT or King Airway Used and Confirmed	44	56	82	68	67	67	49	62	66	57	65	59	742
IO or IV Line Placed	49	63	91	77	77	73	60	71	74	61	74	68	838
High Quality CPR or Lucas Device Used	50	64	93	78	77	75	61	73	74	63	74	65	847
ACLS Drugs Used Following FEMS Protocol	47	62	91	76	77	73	61	71	74	60	73	66	831
% Appropriate Incident Scene Time	100%												
% ETT or King Airway Used and Confirmed	88%	88%	88%	87%	87%	89%	80%	85%	89%	89%	86%	86%	87%
% IO or IV Line Placed	98%	98%	98%	99%	100%	97%	98%	97%	100%	95%	97%	99%	98%
% High Quality CPR or Lucas Device	100%	98%	97%	94%	99%								
% ACLS Drugs Used Following FEMS Protocol	94%	97%	98%	97%	100%	97%	100%	97%	100%	94%	96%	96%	97%
Number of Required Elements	250	320	465	390	385	375	305	365	370	320	380	345	4,270
Number of Completed Required Elements	240	309	450	377	375	363	292	350	362	305	362	327	4,112
% Completed Required Elements	96%	97%	97%	97%	97%	97%	96%	96%	98%	95%	95%	95%	96%

Cardiac Arrest (FY 2019) Measure	Q1 FY 2019	Q2 FY 2019	Q3 FY 2019	Q4 FY 2019	FYE 2019
Number of Identified Cases Reviewed	207	230	208	209	854
Appropriate Incident Scene Resuscitation Time	207	230	208	209	854
ETT or King Airway Used and Confirmed	182	202	177	181	742
IO or IV Line Placed	203	227	205	203	838
High Quality CPR or Lucas Device Used	207	230	208	202	847
ACLS Drugs Used Following FEMS Protocol	200	226	206	199	831
% Appropriate Incident Scene Time	100%	100%	100%	100%	100%
% ETT or King Airway Used and Confirmed	88%	88%	85%	87%	87%
% IO or IV Line Placed	98%	99%	99%	97%	98%
% High Quality CPR or Lucas Device	100%	100%	100%	97%	99%
% ACLS Drugs Used Following FEMS Protocol	97%	98%	99%	95%	97%
Number of Required Elements	1,035	1,150	1,040	1,045	4,270
Number of Completed Required Elements	999	1,115	1,004	994	4,112
% Completed Required Elements	97%	97%	97%	95%	96%

District of Columbia Fire and EMS Department
 FY 2019 EMS CQI Case Review (STEMI Patients)

STEMI (FY 2019) Measure	OCT 2018	NOV 2018	DEC 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	FYE 2019
Number of Identified Cases Reviewed	15	12	16	12	20	15	15	19	17	24	22	21	208
Aspirin Appropriately Administered	15	12	10	8	12	9	12	18	14	23	22	19	174
12 Lead EKG Completed	15	12	15	12	20	15	12	16	16	24	22	21	200
Patient Transport to STEMI Center	15	12	16	12	20	15	15	19	17	24	22	21	208
% Aspirin Appropriately Administered	100%	100%	63%	67%	60%	60%	80%	95%	82%	96%	100%	90%	84%
% 12 Lead EKG Completed	100%	100%	94%	100%	100%	100%	80%	84%	94%	100%	100%	100%	96%
% Patient Transport to STEMI Center	100%												
Number of Required Elements	45	36	48	36	60	45	45	57	51	72	66	63	624
Number of Completed Required Elements	45	36	41	32	52	39	39	53	47	71	66	61	582
% Completed Required Elements	100%	100%	85%	89%	87%	87%	87%	93%	92%	99%	100%	97%	93%

STEMI (FY 2019) Measure	Q1 FY 2019	Q2 FY 2019	Q3 FY 2019	Q4 FY 2019	FYE 2019
Number of Identified Cases Reviewed	43	47	51	67	208
Aspirin Appropriately Administered	37	29	44	64	174
12 Lead EKG Completed	42	47	44	67	200
Patient Transport to STEMI Center	43	47	51	67	208
% Aspirin Appropriately Administered	86%	62%	86%	96%	84%
% 12 Lead EKG Completed	98%	100%	86%	100%	96%
% Patient Transport to STEMI Center	100%	100%	100%	100%	100%
Number of Required Elements	129	141	153	201	624
Number of Completed Required Elements	122	123	139	198	582
% Completed Required Elements	95%	87%	91%	99%	93%

District of Columbia Fire and EMS Department
FY 2019 EMS CQI Case Review (Stroke Patients)

Stroke (FY 2019) Measure	OCT 2018	NOV 2018	DEC 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	FYE 2019
Number of Identified Cases Reviewed	54	44	49	35	38	44	47	37	39	42	29	42	500
Stroke Screening Exam Completed	38	36	43	29	27	36	43	33	36	38	29	42	430
BGL Obtained and Recorded	52	38	48	34	37	39	43	33	36	39	27	42	468
Patient Transport to Stroke Center	54	44	49	35	38	44	47	37	39	42	29	42	500
% Stroke Screening Completed	70%	82%	88%	83%	71%	82%	91%	89%	92%	90%	100%	100%	86%
% BGL Obtained and Recorded	96%	86%	98%	97%	97%	89%	91%	89%	92%	93%	93%	100%	94%
% Patient Transport to Stroke Center	100%												
Number of Required Elements	162	132	147	105	114	132	141	111	117	126	87	126	1,500
Number of Completed Required Elements	144	118	140	98	102	119	133	103	111	119	85	126	1,398
% Completed Required Elements	89%	89%	95%	93%	89%	90%	94%	93%	95%	94%	98%	100%	93%

Stroke (FY 2019) Measure	Q1 FY 2019	Q2 FY 2019	Q3 FY 2019	Q4 FY 2019	FYE 2019
Number of Identified Stroke Reviewed	147	117	123	113	500
Stroke Screening Exam Completed	117	92	112	109	430
BGL Obtained and Recorded	138	110	112	108	468
Patient Transport to Stroke Center	147	117	123	113	500
% Stroke Screening Completed	80%	79%	91%	96%	86%
% BGL Obtained and Recorded	94%	94%	91%	96%	94%
% Patient Transport to Stroke Center	100%	100%	100%	100%	100%
Number of Required Elements	441	351	369	339	1,500
Number of Completed Required Elements	402	319	347	330	1,398
% Completed Required Elements	91%	91%	94%	97%	93%

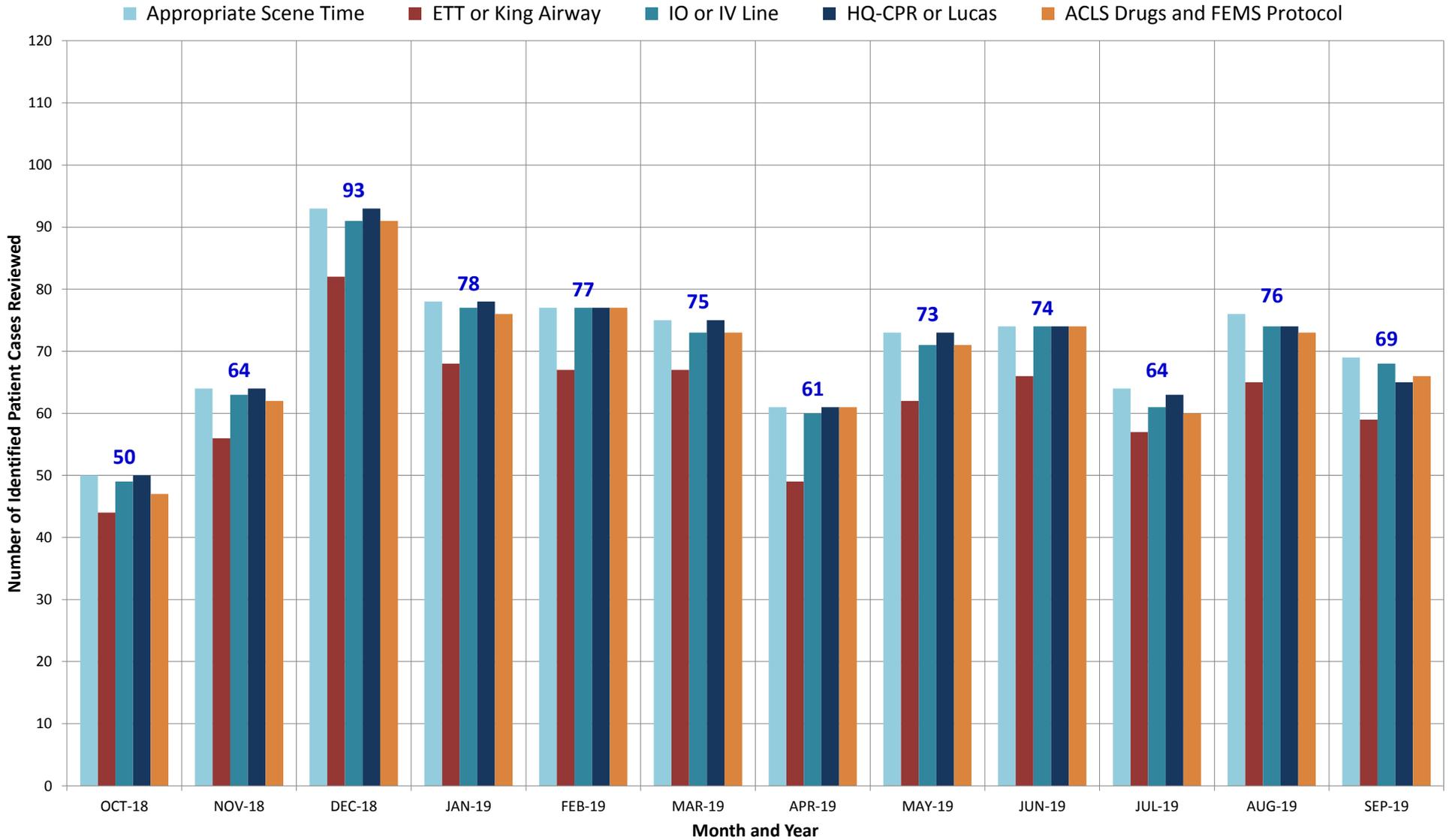
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 FY 2019 EMS CQI Case Review (Trauma Patients)

Trauma (FY 2019) Measure	OCT 2018	NOV 2018	DEC 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	FYE 2019
Number of Identified Cases Reviewed	50	23	31	31	27	23	27	34	29	34	43	34	386
Primary Trauma Assessment Exam Completed	50	23	31	31	27	23	27	34	29	34	43	34	386
Appropriate Incident Scene Time for Case													
Patient Transport to Trauma Center	50	23	31	31	27	23	26	34	29	34	43	34	385
% Trauma Assessment Completed	100%												
% Appropriate Incident Scene Time													
% Patient Transport to Trauma Center	100%	100%	100%	100%	100%	100%	96%	100%	100%	100%	100%	100%	100%
Number of Required Elements	100	46	62	62	54	46	54	68	58	68	86	68	772
Number of Completed Required Elements	100	46	62	62	54	46	53	68	58	68	86	68	771
% Completed Required Elements	100%	100%	100%	100%	100%	100%	98%	100%	100%	100%	100%	100%	100%

Trauma (FY 2019) Measure	Q1 FY 2019	Q2 FY 2019	Q3 FY 2019	Q4 FY 2019	FYE 2019
Number of Identified Cases Reviewed	104	81	90	111	386
Primary Trauma Assessment Exam Completed	104	81	90	111	386
Appropriate Incident Scene Time for Case					
Patient Transport to Trauma Center	104	81	89	111	385
% Trauma Assessment Completed	100%	100%	100%	100%	100%
% Appropriate Incident Scene Time					
% Patient Transport to Trauma Center	100%	100%	99%	100%	100%
Number of Required Elements	208	162	180	222	772
Number of Completed Required Elements	208	162	179	222	771
% Completed Required Elements	100%	100%	99%	100%	100%

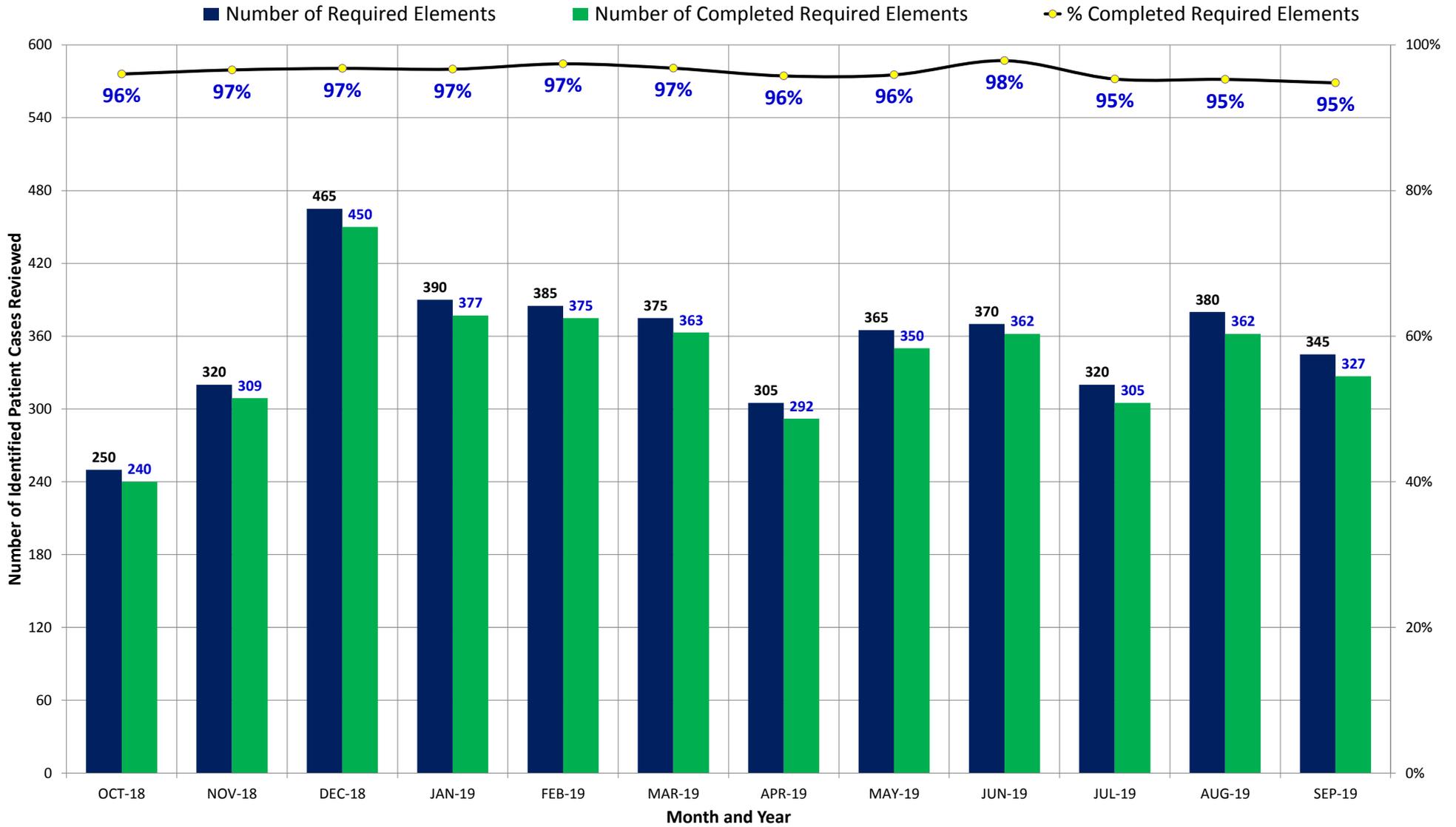
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EMS CQI Case Review: Cardiac Arrest Patients (Element Completion Counts)



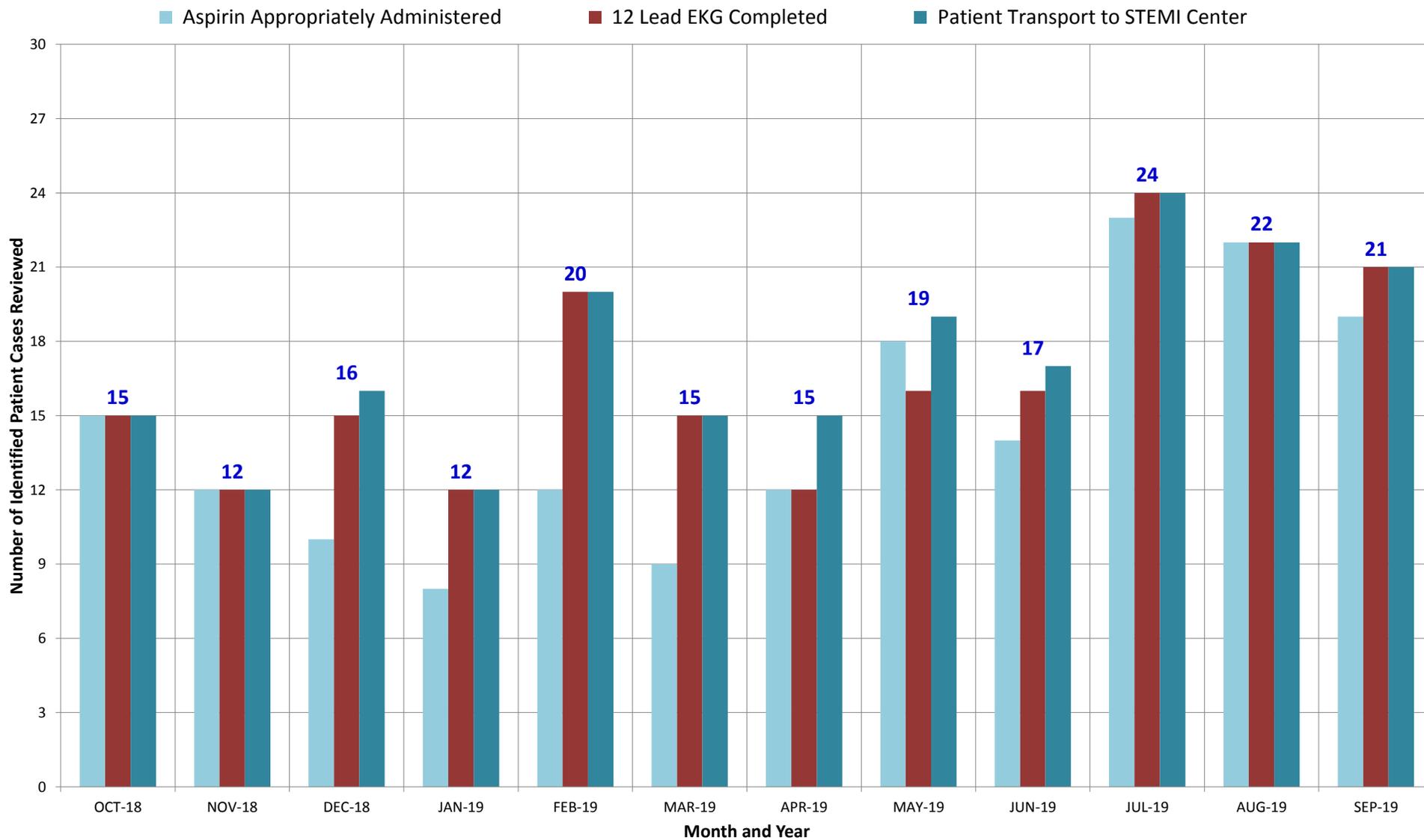
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EMS CQI Case Review: **Cardiac Arrest** Patients (Element Completion Percentages)



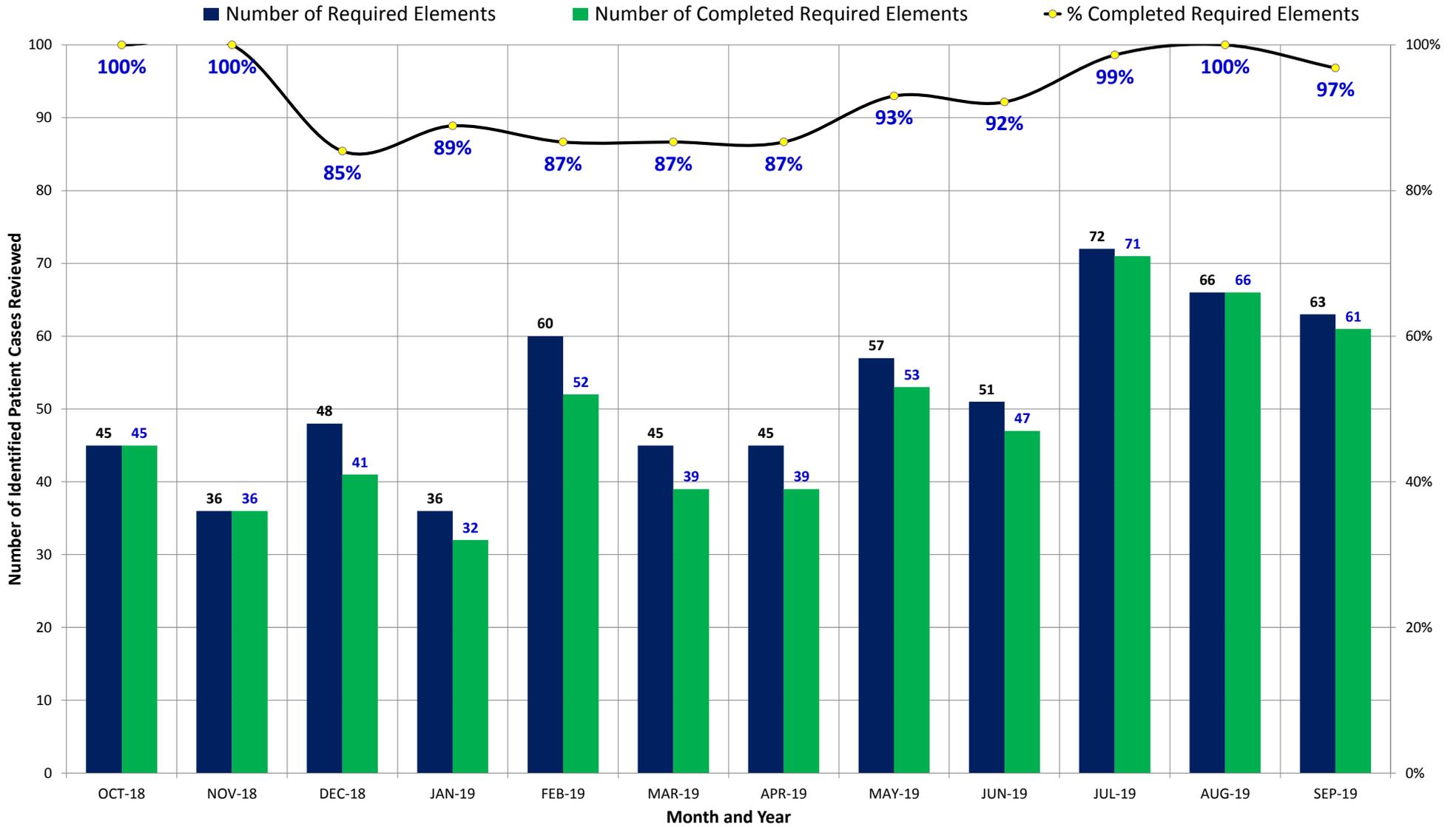
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EMS CQI Case Review: **STEMI** Patients (Element Completion Counts)



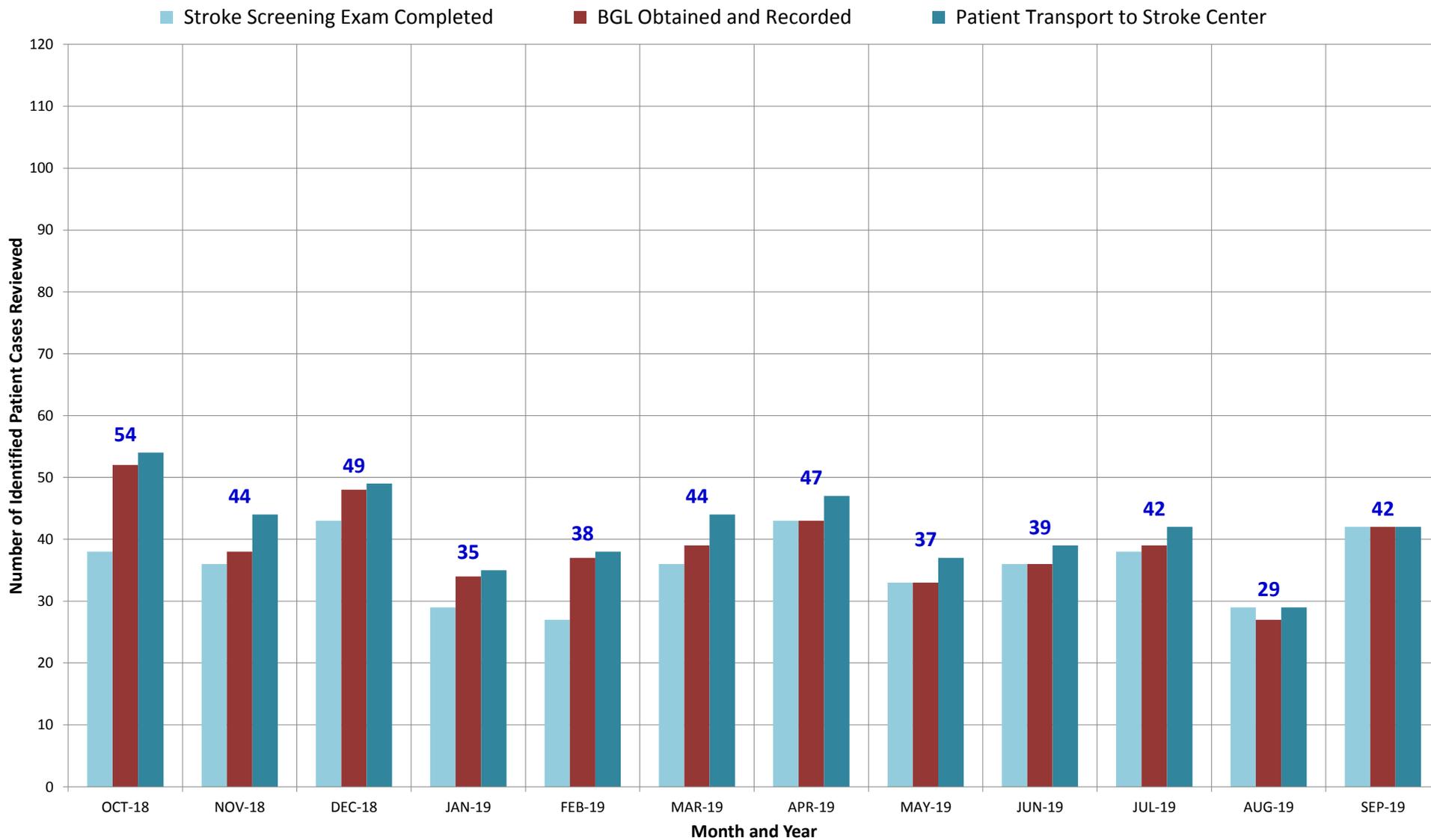
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EMS CQI Case Review: STEMI Patients (Element Completion Percentages)



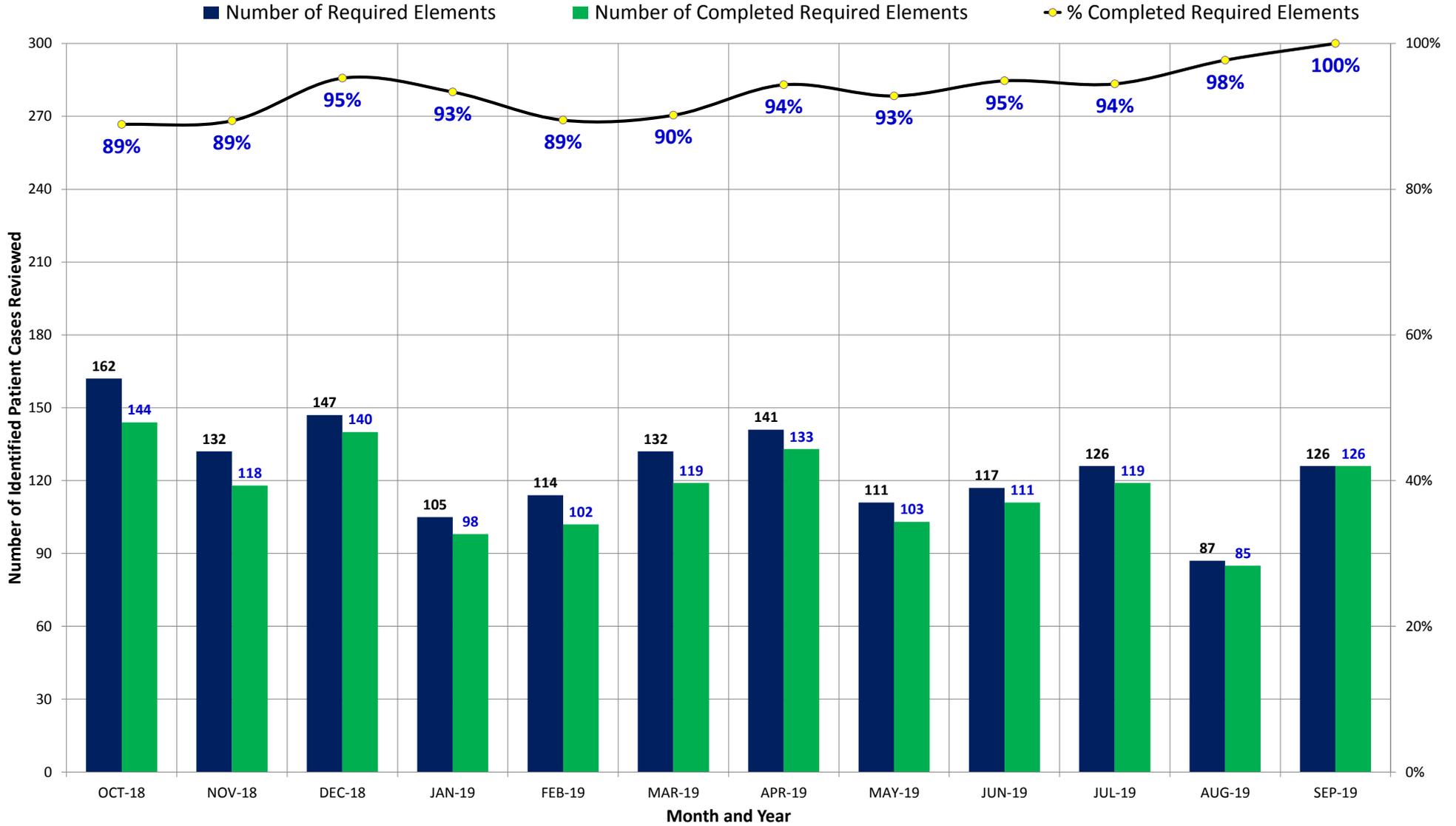
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EMS CQI Case Review: **STROKE** Patients (Element Completion Counts)



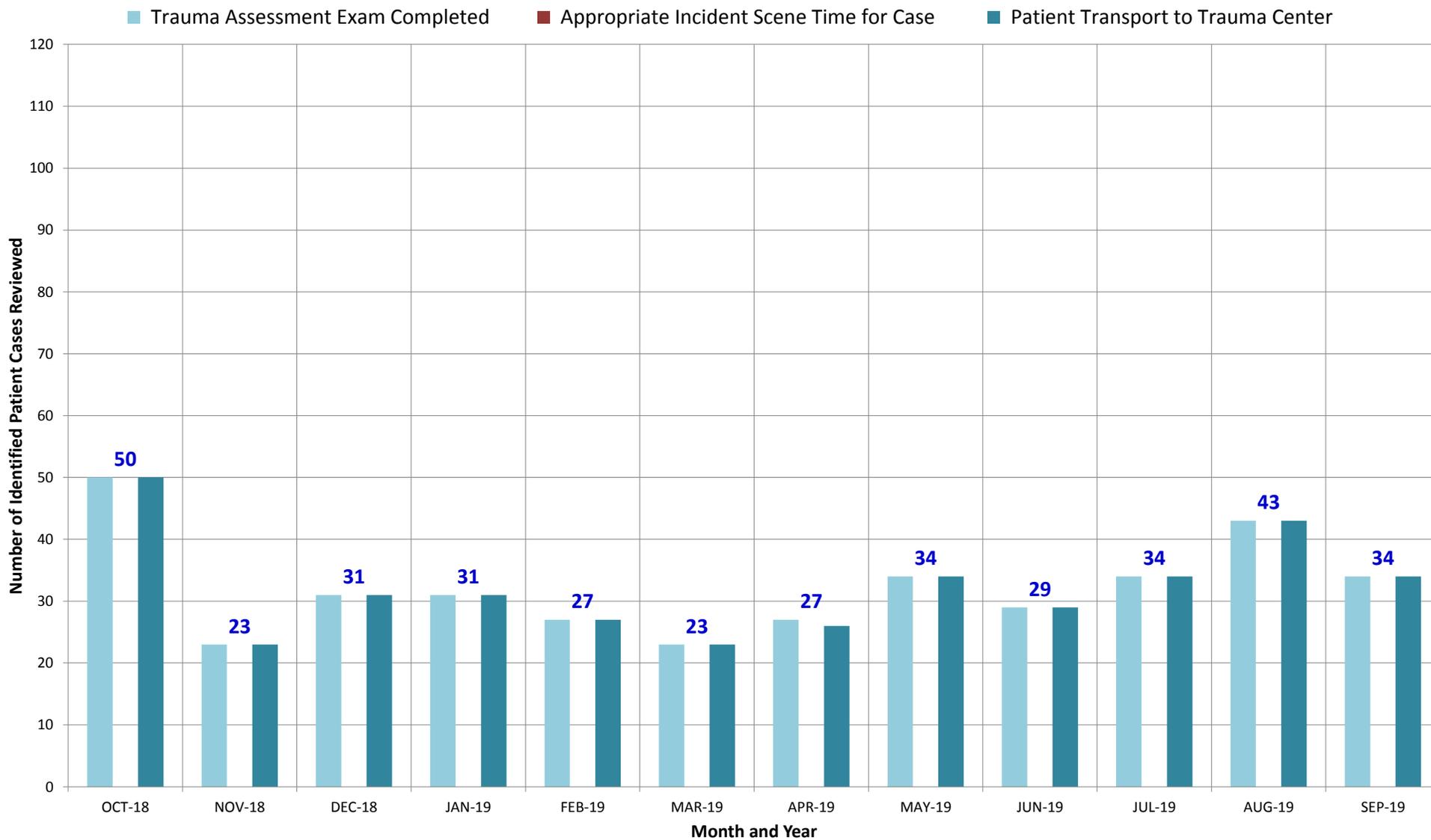
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EMS CQI Case Review: **STROKE** Patients (Element Completion Percentages)



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EMS CQI Case Review: **TRAUMA** Patients (Element Completion Counts)



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EMS CQI Case Review: **TRAUMA** Patients (Element Completion Percentages)

